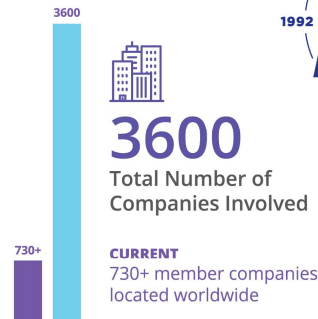
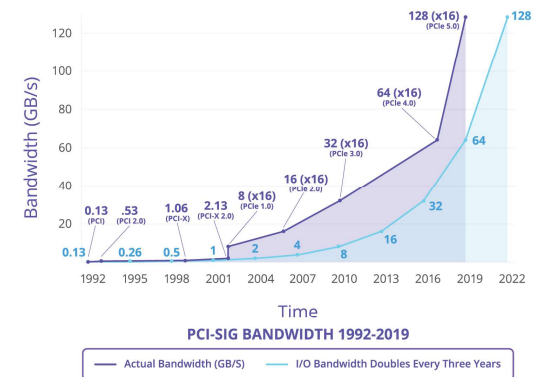


HISTORY OF PCI-SIG®



40%
Percentage of enterprise SSD revenue expected from PCIe-based SSD sales by 2019

PCI-SIG History I/O BANDWIDTH DOUBLES Every 3 Years



Where in the world is PCI-SIG?

177
Total Events



30 Major Specifications Published

PCI EXPRESS®

- PCI Express Base Specification
- PCI Express Card Electromechanical Specification
- PCI Express M.2 Specification
- PCI Code and ID Assignment Specification
- PCI Express Connector High Speed Electrical
- PCI Express OCuLink Specification
- PCI Express Architecture Mobile Graphics Lo-Power Addendum to the PCI Express Base Specification
- Multi-Root I/O Virtualization and Sharing Specification
- Single Root I/O Virtualization and Sharing Specification
- Address Translation Services
- PCI Express External Cabling Specification
- PCI Express ExpressModule Electromechanical Specification
- PCI Express x16 Graphics 150W-ATX Specification
- PCI Express to PCI/PCI-X Bridge Specification
- PCI Express Mini Card Electromechanical Specification
- PCI Express 225 W/300 W High Power Card Electromechanical

CONVENTIONAL PCI

- PCI Local Bus
- PCI Firmware Specification
- Mini PCI Specification 1.0
- PCI Bios Specification Revision 2.1
- PCI Standard Hot-Plug Controller and Subsystem Specification
- PCI Hot-Plug Specification
- PCI-to-PCI Bridge Architecture Specification

PCI-X

- PCI-X 2.0 Electrical Report
- PCI-X Electrical and Mechanical Addendum to the PCI Local Bus Specification
- PCI-X Protocol Addendum to the PCI Local Bus Specification

PCI EXPRESS® - TEST SPECIFICATIONS

- PCI Express Architecture Platform Init / Config
- PCI Express Architecture Link Layer and Transaction Layer
- PCI Express Architecture Configuration Space
- PCI Express Architecture PHY



Welcome to the PCI-SIG® 25th Anniversary Party

Richard Solomon
PCI-SIG Director

Thank you to our Sponsors for distributing trivia clues!



Platinum Sponsors

cādence[®]

SYNOPSYS[®]
Silicon to Software[™]



TELEDYNE LECROY
Everywhere you look[™]

Gold Sponsors



Mentor
Graphics[®]



VIAXI

Exhibitor Sponsors

- **Diodes Incorporated**
- **NEC Corporation**

- **Samtec, Inc.**
- **Tektronix, Inc.**

Trivia Rules




- **10 players per table**
 - 1 remote per table
 - Please select your team captain
 - Please work as a team to collaborate on your answers
- **45 seconds to answer each questions**
 - No answers will be accepted after the expired time limit
- **3 rounds**
 - 30 questions total
 - If needed, there are 3 tie breaker questions
- **Winning table scores the most points**

- **The table with the highest score will be deemed PCI-SIG® Trivia Champions**
 - All 10 people sitting at the winning table will walk away with a FitBit Blaze in hand!
- **Participation Drawing**
 - One attendee will walk away with a drone (with a built in camera!)
 - Winner will be drawn from a raffle taking place at the conclusion of the trivia game

Remote Instructions



- **Turn on your remote by holding down the “Menu” button until the text appears on your remote screen**
- **“Ready” should appear on your screen**
 - If this does not appear on your screen, stand-up so a staff member can assist you
- **Using the multiple choice buttons to press A, B, C, or D**
- **Click ‘Send’  to submit your answer (upper left-hand button under menu)**

Practice Question: What standards organization committed to the development and enhancement of the PCI standard?



- A. World Trade Organization (WTO)
- B. World Wildlife Fund (WWF)
- C. Peripheral Component Interconnect Special Interest Group (PCI-SIG)
- D. European Union (EU)

Ready?



Round One

In 2006 this was the site of the first PCI-SIG European Developers Conference:



- A. Liechtenstein
- B. United Kingdom
- C. Germany
- D. Netherlands

Which of the following is NOT an ECN included in PCIe 3.1?



- A. Downstream Port Containment (DPC)
- B. Lightweight Notification (LN)
- C. Packet Transmission Measurement (PTM)
- D. Process Address Space ID (PASID)

More PCI-SIG European member companies are based here than any other country:



- A. Russia
- B. United Kingdom
- C. Germany
- D. France

Which of the following countries has NOT hosted a PCI-SIG Compliance Workshop:



- A. United States
- B. Taiwan
- C. Japan
- D. Israel

Who or what is MR-PCIM?



- A. A bogeyman PCI-SIG spec writers use to scare children
- B. A high-availability variant of PCI Express:
Multiply ***R***edundant ***PCI*** ***M***ode
- C. The original author of the PCI Express Address Translation Services specification
- D. A piece of software used for configuration and management of Multi-Root IOV systems

Which of these countries hosted a PCI-SIG Developers Conference during a typhoon:



- A. Japan
- B. Taiwan
- C. Fiji
- D. New Zealand

What pop music star is exactly one month younger than the PCI specification?



- A. Lady Gaga
- B. Selena Gomez
- C. Taylor Swift
- D. Miley Cyrus

PCI Express' 8b/10b encoding means:



- A. That 8 bits of transmitted data can encode 10 bits of information
- B. That 10 bits of transmitted data can encode 8 bits of information
- C. That once every 10 bit times, the system must transmit 8 bits of parity
- D. Nothing in particular, it's just another acronym

When is 128/130 encoding used in PCI Express?



- A. At data rates above 2.5GT/s
- B. When jitter exceeds 87ppm
- C. At data rates above 5GT/s
- D. When 8b/10b encoding fails to converge

What was the capacity of the most common portable storage technology at PCI's introduction?



- A. 800KB
- B. 1.44MB
- C. 32MB
- D. 4.7GB



Round Two

Which famous female lawyer was born 32 years to the day before PCI 1.0 was released?



- A. Sonia Sotomayor
- B. Erin Brockovich
- C. Sandra Lynch
- D. Sharon Prost

In PCI Express, Message Signaled Interrupts (MSI) are sent using:



- A. I/O Write commands
- B. Memory Write commands
- C. Message commands
- D. ASSERT_INTx commands

The approved abbreviation for PCI Express is:



- A. PCIE
- B. PCI-E
- C. PCI-XP
- D. PCIe

In PCI Express electrical signaling, jitter is:



- A. Specified by the JITTER Base Utilization Guide
- B. Bad
- C. Optically isolated
- D. Limited to 1 volt peak-to-peak

Which PCI Express error detection methodology crosses multiple links?



- A. None
- B. PCRC
- C. ECRC
- D. LCRC

PCI Express 2.1 was released on the 216th anniversary of what historic event?



- A. The second inauguration of George Washington
- B. The end of World War I
- C. The execution of Louis XVI of France
- D. The US flag changing to 15 stars & 15 stripes

How does PCIe 3.0's 8GT/sec mode provide twice the bandwidth of 5GT/sec mode?



- A. New encoding scheme with reduced overhead
- B. Built-in data compression
- C. Removal of all packet headers
- D. Magic – in the PCI-SIG, 2 times 5 equals 8!

PCI Express 5.0 is planned to add what new signaling rate?



- A. 24GT/sec
- B. 25GT/sec
- C. 32GT/sec
- D. 56GT/sec

PCI-SIG headquarters are located in:



- A. Oregon
- B. Delaware
- C. California
- D. Sweden

Which of the following services is currently available FREE to PCI-SIG members?



- A. Participation in Compliance Workshops
- B. Electronic copies of specifications
- C. Quotations for press releases
- D. All of the above



Round Three

When was the 100th PCI-SIG Compliance Workshop held?



- A. April 1, 2010
- B. December 6, 2016
- C. April 18, 2017
- D. December 19, 2012

Where is the best place to go for questions on PCI-SIG specifications?



- A. Your local bookstore
- B. E-mail to memberquestions@pcisig.com
- C. On the web at <http://forum.pcisig.com/>
- D. Just keep re-reading the specification until you figure it out

A member company's license to use their PCI-SIG assigned Vendor ID expires when their membership does:



- A. True
- B. False, it's an automatic lifetime license
- C. False, they can pay an annual maintenance fee
- D. False, upon written request it can be extended for 14 years

Which country besides the United States has held the MOST PCI-SIG Compliance workshops:



- A. India
- B. China
- C. Taiwan
- D. Germany

A PCI-SIG Member company can have at most one Vendor ID.



- A. True
- B. False, they can request up to 7
- C. False, they can pay an annual maintenance fee for each additional one
- D. False, they may accumulate multiples through acquisition of other member companies

When was the 1st PCI-SIG Compliance Workshop with PCI Express Integrators List testing held?



- A. March 28, 2005
- B. December 14, 2003
- C. January 17, 2000
- D. April 22, 2003

What astronomical event happened on the release date of PCI Express 3.1?



- A. Partial solar eclipse
- B. Partial lunar eclipse
- C. Total solar eclipse
- D. Total lunar eclipse

How many names are listed in the acknowledgements section of PCI 3.0?



- A. None
- B. Between 1 and 20
- C. Between 21 and 50
- D. More than 50

How many names are listed in the acknowledgements section of PCIe 3.0?



- A. Between 1 and 100
- B. Between 101 and 200
- C. Between 201 and 300
- D. More than 300

Will it be possible to get a 5GT/s PCIe device on the Integrators List in 2018?



- A. No – PCIe 1.x testing ended years ago
- B. No – PCIe 2.x testing is ending in 2017
- C. Yes – by completing the testing in-house and submitting results to PCI-SIG
- D. Yes – by registering it as a PCIe 3.0 device at 5GT/s



Bonus Round – Tie Breaker Questions

Instructions: If you are named as a final contestant, please answer each question correctly to qualify for the next round.

How many employees does PCI-SIG have?



- A. None
- B. Between 1 and 20
- C. Between 21 and 50
- D. More than 50

The CardBus standard, based on PCI, was developed by “PCMCIA” – what is the acronym?



- A. People Can't Memorize Computer Industry Acronyms
- B. PCI Coupled Memory Card Insertion Adapter
- C. Personal Computer Memory Card Industry Association
- D. Personal Computer Memory Card International Association

How fast was the CPU in the first PCI system?



- A. 25MHz
- B. 66MHz
- C. 90MHz
- D. 133MHz

Thank You for Participating – Raffle Prize



- **Drawing for drone w/ built in camera**
 - Winner must be present
- **Don't forget to turn-in your attendee survey to the registration desk by 4 p.m. Thursday for a chance to win an Amazon Echo or Go Pro Hero Session**
 - Winners aren't required to be present

**Thank you for attending the PCI-SIG 25th
Anniversary Party!**

**For more information please go to
www.pcisig.com**

